



Oral Presentations

Wednesday, 22nd of June, 2016

SESSION 1

Afternoon | 13.30 - 17.30

Chairpersons: **L. PRIETO - A. TAGLIABRACCI**

FORENSIC GENETICS

FIRST AUTHOR

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| OP-1 | Probabilistic multi-software Low Template-DNA mixtures interpretation. A new approach to prevent mistakes in real casework highly challenging samples | P. GAROFANO |
| OP-2 | Planning, start up, validation and QA of a forensic genetics laboratory. Body fluid ID, mixture interpretation and ethnic affiliation estimation | P. GAROFANO |
| OP-3 | When the alleged father has a twin, which is the role of the forensic genetics in the attribution of the paternity? | M. PORTAS |
| OP-4 | The use of DNA database of biological evidence from sexual assaults in criminal investigations. A successful experience in Brasília, Brazil | T. G. FERREIRA SAMUEL |

SYSTEMS BIOLOGY APPLIED TO BIO-MEDICOLEGAL SCIENCES

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|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| OP-5 | A study of potential cytotoxic effect of 1,4 dioxane on human hepatic cells (Hep10) and possible effect on expression profiles of CYP2E1 & CYP2A6 genes | G. BEGUM |
| OP-6 | Human papillomavirus warts in childhood. Diagnostic and medico-legal considerations | C. D'OVIDIO |
| OP-7 | Micro-RNA profiling in a sudden unexpected death in epilepsy | M. DE MATTEIS |
| OP-8 | Potential cytotoxic and genotoxic effects of lead on human dermal fibroblast cell lines in vitro | R. GOMAA |

FORENSIC ODONTOLOGY

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|-------|----------------------------------------------------------------------------------------------------------|-----------------------|
| OP-9 | Teeth by numbers | D. BETTI |
| OP-10 | Sex estimation based on tooth measurements using panoramic radiographs | C. CAPITANEANU |
| OP-11 | Informed consent. A tool for risk management | A. CORTE-REAL |
| OP-12 | The use of conscious sedation in dentistry. Operating limits and profiles of professional responsibility | P. DI LORENZO |

COFFEE BREAK



Oral Presentations

Wednesday, 22nd of June, 2016



FORENSIC ODONTOLOGY

FIRST AUTHOR

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|-------|-----------------------------------------------------------------------------------------------------------|---------------------|
| OP-13 | Malpractice. What recourse for the victims? | G. DROGOU |
| OP-14 | The identification of composite resin restorations within natural teeth | A. FORGIE |
| OP-15 | Dental identification. Still up to date? | C. GRUNDMANN |
| OP-16 | Performance of Willems method in estimating dental age in children. A systematic review and meta-analysis | M. Y. PUTERA |
| OP-17 | Dental practice within the limits of civil law | D. VIEIRA |
| OP-18 | Dental age estimation in children with chromosomal syndromes | G. VITALE |

OTHER

- | | | |
|-------|---------------------------------------------------------------------------------------------------------|-------------------------|
| OP-19 | Medieval crimes in Friuli. The utility of a multidisciplinary approach in the study of polysome burials | F. COSTANTINIDES |
| OP-20 | Deaths under the responsibility of the Dutch police. Lessons to be learned | W. DUIJST |
| OP-21 | The crime scene to courtroom initiative. Forensic science training for capital litigators | C. HENDERSON |
| OP-22 | Developing the software to manage a forensic institute. The part time solution in Joinville (Brazil) | F. A. TIRONI |



Oral Presentations

Wednesday, 22nd of June, 2016

SESSION 2

Afternoon | 13.30 - 17.30

Chairpersons: **M. CAPLINSKIENE - S. A. DOMITROVICH**

CLINICAL LEGAL AND FORENSIC MEDICINE

FIRST AUTHOR

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|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| OP-23 | Duration of the compulsory psychiatric forensic hospital treatment compared to maximum penalty sentences in the Republic of Croatia | M. ĆURKOVIĆ |
| OP-24 | Criminal symbolism of “Pearling”. Case report and literature review | A. LANZARONE |
| OP-25 | The mentally ill offenders in Italy are a legal category, but not a clinical-diagnostic cluster. Study of a particular population (art. 111, L.230/00) | S. LIBIANCHI |
| OP-26 | Discernment in forensic psychiatric examination in Romania | C. SCRIPCARU |
| OP-27 | Analysis of 58 cases of sexual violence bearing forensic interest. Congruence between the victim’s report and the data from laboratory analyses | E. ALBANESE |
| OP-28 | Severe anal traumatic injuries after sexual abuse by father on a 11-month-old girl | F. CATHALA |
| OP-29 | Medico-legal assistance to victims of torture seeking political asylum in Milano | F. MAGLI |
| OP-30 | Outcomes of Claims Management Committee of Careggi Hospital in Florence for the period 2010-2014 | V. BARTOLINI |
| OP-31 | Surgical complication or medical error? A case report on different assessments and approaches | S. CHERICI |
| OP-32 | An analysis of obstetrics’ and gynecology’s litigations in the Rome criminal Court from 2000 to 2014 | F. DE-GIORGIO |
| OP-33 | Homicide and the unborn child. Is the fetus a person? | N. JOUSSET |
| OP-34 | Clinical validation survey for blood loss quantification in forensic practice | C. LARDI |

COFFEE BREAK

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|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| OP-35 | Important role of autopsy in interpretation of medical accidents | H. MATSUMOTO |
| OP-36 | Medical and dental professional liability in first-instance judgments issued by the civil court of Matera (Italy) during the period 2002-2013 | E. NUZZOLESE |
| OP-37 | Biosimilar drugs prescription and professional liability | M. A. PIGA |



Oral Presentations

Wednesday, 22nd of June, 2016



		FIRST AUTHOR
OP-38	The physical restraint in health-care. A case report and legal-medical consequences	E. SCALICI
OP-39	Clinical case of a patient with atrial fibrillation and arterial embolism	B. SLAVCHEV
OP-40	Criteria for assisted suicide. Geneva doctors' opinion	S. BURKHARDT
OP-41	Judicial verdicts after survived strangulation	D. K. FRÖHLICH
OP-42	A pragmatic approach to test the reliability of permanent impairment classifications. A study applied to a sleep disorder	A. GOVI
OP-43	Dead man talking. Forensic evaluations of people who are no longer among the living	V. C. SHNAIDMAN





Oral Presentations

Thursday, 23rd of June, 2016

SESSION 3
Morning | 9.00 - 13.00

Chairpersons: **C. P. CAMPOBASSO - T. DOSTALOVA**

FORENSIC ANTHROPOLOGY

FIRST AUTHOR

OP-44	Tanner Stages are affected by ethnic origin as assessed at forensic age estimation cases	S. T. LARSEN
OP-45	Racial differences in skeletal maturation in african and white children assessed with hand-wrist methods	V. SANTORO
OP-46	Classified epiphysis automatically with support vector machine in distal radius and distal ulna	Y. WANG
OP-47	The difficult task of diagnosing prostate cancer metastases on dry bone	E. CASTOLDI
OP-48	Analysis of characteristics of three different 3D surface scanners employed in Forensic Sciences	S. M. DA COSTA
OP-49	Experimental analysis of post-mortem-interval in aerated cemetery burial recesses vs. inhumation and traditional burial recesses	E. GUARESCHI
OP-50	Kinesiological analysis in osteoarchaeology. Reconstruction of pathomechanics, treatment and walk from a post medieval femur fracture	M. LICATA
OP-51	Additive manufacturing applied to Forensic Sciences	S. F. C. MAIA
OP-52	Reconstructing the life of an unknown mummy. Multidisciplinary study suggests severe Chagas disease and ritual homicide	O. PESCHEL
OP-53	Skeletal human remains in Straumsvik, Iceland. Solving a 50 year old murder case?	S. RICHTER
OP-54	The effect of demographic and clinical variables on fracture healing	Z. OBERTOVIĆ
OP-55	Identifying the origins of bone damage from topographic 3D profiles recorded with optical interferometry	S. WÄRMLÄNDER

COFFEE BREAK

FORENSIC ANTHROPOLOGY

OP-56	Challenges to positive (personal) identification of historically unidentified remains	K. GRUSPIER
OP-57	Post-mortem CT and forensic odontological identification in Copenhagen, Denmark. Present workflow and results from a study	S. ARGE



Oral Presentations

Thursday, 23rd of June, 2016



FORENSIC ANTHROPOLOGY

FIRST AUTHOR

OP-58	Facial reconstruction. The thickness of the soft tissue of the face in a sample of caucasian calculated by CT scan	A. DE DONNO
OP-59	Multidisciplinary cooperation in forensic casework of skeletonized remains. An essential approach	G. LANDI
OP-60	Personal identification of the living in child sexual abuse materials	D. LORKIEWICZ-MUSZYNSKA
OP-61	Unusual patterns of scavenging by cookiecutter sharks on the victims of the Yemenia crash (June 30, 2009)	A. RIBEREAU-GAYON
OP-62	Sexual dimorphism in frontal inclination angles measured from digital 3D models from four different world populations	A. PETAROS
OP-63	Sex estimation of human crania using mastoid process volume. A novel digital method developed on 3D models of dry crania	A. PETAROS
OP-64	Sex determination based on measurements obtained from a thoracic vertebra and ribs	S. TSUBAKI

LUNCH



Oral Presentations

Thursday, 23rd of June, 2016

SESSION 4
Morning | 9.00 - 13.00

Chairpersons: **A. FASSINA - K. O. PESCHEL**

FORENSIC PATHOLOGY

FIRST AUTHOR

OP-65	An experimental study about selenium in gunshot residue	F. S. ROMOLO
OP-66	Experimental staining in the barrel (part II). The gap between muzzle and target	C. SCHYMA
OP-67	Contact or distance shot? The morphological appearance of the permanent cavity by shots with semi-jacketed bullets	V. STERZIK
OP-68	Craving suicide	N. CUCURACHI
OP-69	A complex suicide case	G. PATRU
OP-70	Differentiating between fresh and thawed amputated decomposing limbs. A macro- and microscopic approach	T. KRAP
OP-71	Methoxetamine, the rising challenge of new drugs to the forensic pathologist	J. ROSMANINHO
OP-72	Traumatic brain injury. The role of mast cells, glial cells and hypoxia	R. M. GAUDIO
OP-73	Hypersensitivity vasculitis and sudden death	R. HENRIQUES DE GOUVEIA
OP-74	A Shaken Baby syndrome case report. Histopathological perspectives	C. PONTINHA

COFFEE BREAK

OP-75	High-quality digital 3D reconstruction of microscopic findings in forensic pathology. The pathway of a heart stab wound	A. PORZIONATO
OP-76	Age classification of acute aortic dissection. An immunohistochemical approach	S. D. VISONÀ
OP-77	Sudden death due to endomyocardial fibrosis. A case report	C. ROSSETTI
OP-78	Elderly suicide in Portugal. A two year study of autopsy reports	J. VIEIRA DE SOUSA
OP-79	Multidisciplinary approach in sudden cardiac death of young. The value of post-mortem genetic analysis	L. BUSCEMI



Oral Presentations

Thursday, 23rd of June, 2016



		FIRST AUTHOR
OP-80	Autopsy performance time. When should an autopsy be performed?	A. AVŞAR
OP-81	SEM-EDS analysis on the skin of cadavers for the detection of environmental residues	G. CACCIA
OP-82	A case of early perinatal death due to congenital diaphragmatic hernia	S. COSTANTINI
OP-83	The significance of cervical lesions in hanging. A case-control study	G. D. L. CRUDELE

LUNCH





Oral Presentations

Thursday, 23rd of June, 2016

SESSION 5
Afternoon | 15.00 - 18.30

Chairpersons: **C. JACKOWSKI - R. VAN RIJN**

FORENSIC ANTHROPOLOGY

FIRST AUTHOR

OP-84 3D Digital Forensic Facial Reconstruction: a pilot protocol developed using an association of different 3D and 2D image manipulation software

S. F. C. MAIA

FORENSIC RADIOLOGY

OP-85 Aortic dissections on unenhanced postmortem computed tomography

G. AMPANOZI

OP-86 Micro-CT features of saw and cut marks on human bones before and after exposure to fire. A preliminary study

G. PELLETTI

COFFEE BREAK

OP-87 Countrys' borders. Search for persons

H. VOGEL

OP-88 Pulmonary embolism in PMCT

A. HEINEMANN

OP-89 Very economical immersion pump feasibility for post-mortem CT angiography

W. SCHWEITZER

OP-90 Detection of traumatic pseudoaneurysm of internal carotid artery inside the sphenoid sinus by combination of postmortem MSCT, MRI and angiography

Y. SHAO

OP-91 Detection of right cardiac rupture using post-mortem computed tomography angiography by cardiac puncture

L. WAN

OP-92 The truth lies within. The value of inner livores in a homicide case

E. BRENCICOVA

OP-93 Automatic entry point planning for robotic post-mortem CT-based biopsyneedle placement

L. C. EBERT

OP-94 Friar Leopoldo Mandic (1866-1942): the computed tomography of the body of a Saint

V. MACCHI

OP-95 PMCT forensic imaging as routine added value to classic autopsy. Operative-manual for multidisciplinary win-win results in the Swiss Canton Ticino

M. PALMESINO

OP-96 Post-mortem CT and stab wounds

G. PATRU

OP-97 Advantages and limits of post-mortem computed tomography in the investigation of gunshot wound deaths

E. RADHESHI



Oral Presentations

Thursday, 23rd of June, 2016



FIRST AUTHOR

OP-98 PMCT skull trajectory reconstruction of multiple gunshot in two homicidal cases with PACS reconstruction software **M. P . SCARPELLI**

OP-99 Juvenile sudden cardiac death. When post-mortem magnetic resonance imaging is suitable? Surely in ARVC/D cases **T. GUERRINI**

FORENSIC ENTOMOLOGY

OP-100 Molecular biologist, please, do not destroy the evidence **F. TUCCIA**

OP-101 Chronobiological studies on body search and emergence of first colonizer flies in outdoor cases **S. VANIN**





Oral Presentations

Thursday, 23rd of June, 2016

SESSION 6
Afternoon | 14.00 - 18.30

Chairpersons: **R. GIORGETTI - C. SCHYMA**

FORENSIC PATHOLOGY

FIRST AUTHOR

OP-102	Suicide rates and methods in central Rome from 2004 to 2014	A. DI LUCA
OP-103	Baby Tyler case. Should medical examiners use uncorroborated statements by defendants versus only objective, scientific, medical evidence in reports?	J. S. DOMITROVICH
OP-104	Mortui vivos doce(a)nt. The opinions of Italian undergraduate students towards the donation of bodies for didactic and scientific purposes	D. GIBELLI
OP-105	Mistakes in expertise by maternal death	R. HADJIEV
OP-106	Forensic pathology publishing. What does the future hold?	C. MARQUES PONTINHA
OP-107	Tritícea cartilage. The most important anatomical variation to consider when examining larynx fractures	J. PINHEIRO
OP-108	The use of Mini-CrimeScope to detect organic and inorganic traces on the corpse. Case report of a homicide case by suffocation	E. RADHESHI
OP-109	Forensic medical examination of death in police custody and imprisonment	M. SCHWERER

COFFEE BREAK

OP-110	Investigations into deaths under responsibility of the police. Obligations under the European Human Rights Convention and practice in the Netherlands	E. THOONEN
OP-111	Comparison of medico-legal systems, specifically related to post-mortem examination, across Europe	C. WOUDEBERG-VAN DEN BROEK
OP-112	Paradoxical gas embolism during consensual sexual intercourse in an elderly woman	D. ZWAHLEN



Oral Presentations

Thursday, 23rd of June, 2016



	FORENSIC TOXICOLOGY	FIRST AUTHOR
OP-113	Underlying substance abuse in drunk drivers. Lack of a uniform toxicological protocol in assessing fitness to drive	A. NALESSO
OP-114	Structural stability of Cyclohexylphenol CP 47,497 (C8 Homologue) to the burning temperature of cigarette	M. DI FELICIANONIO
OP-115	Developing a validated method for simultaneous determination of 15 synthetic cannabinoids	M. GÜRLER
OP-116	The use of fingerprints for drugs of abuse testing	M. ISMAIL
OP-117	Using the Waters® Forensic Toxicology application solution with Unifi® to screen for cannabis	R. LEE
OP-118	Guidelines for diagnostic pathways of drug addiction, abuse or consumption in the area of Criminal Justice. Project Ca.To.Di. Preliminary report	S. LIBIANCHI
OP-119	A forensic toxicological approach in monitoring the therapeutic use of Sativex in multiple sclerosis	N. MAGUOLO
OP-120	Occupational exposure to ketamine. A retrospective and prospective toxicological study	S. VOGLIARDI
OP-121	A case of suicide by ingestion of caffeine	A. BONSIGNORE
OP-122	Fatal overdoses by illicit and prescription drugs in autopsy material of Bratislava (Slovakia) forensic medicine workplaces	J. SIDLO
OP-123	Quantification of 11-nor-9-Carboxy-THC in hair using a hybrid triple quadrupole linear ion trap mass spectrometer?	X. HE



Oral Presentations

Friday, 24th of June, 2016

SESSION 7
Morning | 9.00 - 13.00

Chairpersons: **C. TERRANOVA - J. TUUSOV**

CLINICAL LEGAL AND FORENSIC MEDICINE

FIRST AUTHOR

OP-162	Equivalency of causes in compensation law in the Italian Court. A case series	D. BONETTI
OP-163	Sudden death during physical restraint by the Dutch police	L. DIJKHUIZEN
OP-164	Reproductive medicine: Comparative juridical analysis of European and Serbian laws on abortion	G. KOVACEK
OP-165	The meaning of Being as a nurse involved in the work of death investigation. A North American view and its implications to practice in England	J. RUTTY
OP-166	Forensic medical identification of 355 cases with hearing impairment	X. Y. YANG
OP-167	Ascertaining serious injury for the purpose of personal injury compensation in law. A legal-comparative perspective	A. LE ROUX-KEMP
OP-168	The prior state in the affectation of the contralateral limb. Synergistic aggravation and a new perspective on the evaluation of damage under civil law	P. C. OLIVEIRA
OP-169	The application of the doctrine of a loss of a chance to recover in medical law	P. VAN DEN HEEVER
OP-170	Examination on living persons in Estonia	M. VÄLI
OP-171	The effect of bone type on fracture healing	A. VIERO

COFFEE BREAK

OP-172	Forensic identification on erectile dysfunction caused by traffic accidents (248 cases reports)	F. WANG
OP-173	Homicide characteristics in Greenland 1985-2010	M. R. CHRISTENSEN
OP-174	Mandatory medical treatment vs volunteer admission. Problems about psychiatric medical liability	E. SCALICI
OP-175	English mental health law and John Rawls's justice as fairness. A vision for the future?	L. BOUIC
OP-176	Autism spectrum disorders and sexual offences	R. FERRARA



Oral Presentations

Friday, 24th of June, 2016



		FIRST AUTHOR
OP-177	Ten years of psychiatric examination of detainees by forensic physicians in the Netherlands	K. VAN DEN HONDEL
OP-178	Suicide notes analysis in Geneva	D. AGUIAR
OP-179	From victim to perpetrator. Forensic medicine considerations on a incest case	R. FERRARA
OP-180	Post-mortem evaluation of capacity to make a will in elderly patient. Increasing relevance of nursing record	D. TORRI

LUNCH





Oral Presentations

Friday, 24th of June, 2016

SESSION 8

Morning | 9.00 - 13.00

Chairpersons: **P. BEN - F. DE GIORGIO**

FORENSIC PATHOLOGY

FIRST AUTHOR

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|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| OP-181 | Traumatic and drifting lesions on victims of an airplane crash in the ocean. The case of Yemenia flight IY26 | A. RIBEREAU-GAYON |
| OP-182 | Myocardial bridge pathology and preventable accidents during physical activity of healthy subject | A. ARGO |
| OP-183 | Familial nesidioblastosis as the possible cause of sudden and unexpected death of three siblings | B. HAVASI |
| OP-184 | Elderly home death cases. The need of forensic analysis of the potentially wrongful death | E. M. KERESZTY |
| OP-185 | The role of the pathologist in diagnosing congenital heart disease (CHD), associated with extracardiac malformations (ECM) | E. MARESI |
| OP-186 | Sudden aortic death in forensic and clinical pathology. A comparative study of 45 cases | K. MICHAUD |
| OP-187 | Genetic analyses in sudden unexpected death cases with suspicion of inherited cardiomyopathy | S. SCHEIPER |
| OP-188 | Estimation of post-mortem Interval by means of ascorbyl radical variation in vitreous humour, using electron paramagnetic resonance | D. GIROLAMI |
| OP-189 | Diagnosis of drowning. Updates on 2016 | H. MATSUMOTO |
| OP-190 | A statistical analysis of standard organ weights and their changes during the post-mortem interval using forensic autopsy cases | Y. USUMOTO |

COFFEE BREAK

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| OP-191 | The cholesterol levels increase in peripheral nerve tissue and post-mortem interval evaluation | G. VACCHIANO |
| OP-192 | Bodies recovered from the North Sea. An aquatic decomposition scoring method | M. VAN DAALEN |
| OP-193 | Discovery of a hyoid bone fracture and mechanical asphyxia in a suspicious fatal traffic accident | A. FARRUGIA |



Oral Presentations

Friday, 24th of June, 2016

		FIRST AUTHOR
OP-194	Unexpected death in commercial truck drivers. Meta-analysis of 25 cases not related to road accidents in the years 2006 to 2015	M. J. SCHWERER
OP-195	Numerical reconstruction exploration on the identification of the motorcycle driver in a three-rider motorcycle-microvan accident	L. ZHENG DONG
OP-196	New preventive technology against the risk of falling from a height. From analysis of casuistry to an intelligent system for working and rural environment	C. MORESCHI
OP-197	Work-related death due to a carotid artery injury. A case report	S. PEROTTI
OP-198	Characteristics of electrically injured skin from human hand tissue samples using Fourier transform infrared microspectroscopy	P. HUANG
OP-199	Technical improvement in asbestos body count from lung tissues	N. ONORI
OP-200	Age estimation at death by the sternal end of the fourth rib examination in a Tunisian male population	A. MOSBAHI

LUNCH
